BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to :

Original / Duplicate
Item No. 55

Name of Work: Construction of Rainwater Harvesting Structure and Recharging Pits in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.

Sl. No.	Approved Quantity	Description	Unit	Rates	
				In Figures	In Words
1	26.68	Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	259.70	
1A	16.73	For Main Tank Above 1.5 Mtrs Depth Add 25% Extra		324.63	
2	2.59	Providing and filling in foundation with granite / trap broken metal 100mm, and down size, with approved sand including had packing, ramming, watering, including cost of all materials and labour with all lead and lift, etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	1926.02	
3	2.59	Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	4757.28	
4	7.56	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of **class designation 50 (table moulded) with cement mortar 1:4 for basement and superstructure** including cost of materials, labour charges, scaffolding, curing etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	6597.44	
5	11.57	Providing and removing centering, shuttering, strutting, propping etc., and **removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm** including cost of all materials, labour etc., complete and as per the directions of the Engineer-in-charge of the work	Sqm	308.46	

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Sl. No.	Approved Quantity	Description	Unit	Rates	
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6	4.19	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	5952.96	
7	5.03	**Providing mild steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery etc., complete and as per the directions of the Engineer-in-charge of the work	Qtl	7828.10	
8	119.70	Providing and fixing plaster mesh 200mm wide manufactured out of hot dipped galvanished iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between and brick walls including cost materials, labour, for fixing complete as per specifications. (length of mesh only be measured for payment.) etc., complete and as per the directions of the Engineer-in-charge of the work	m	47.70	
9	34.38	Providing 15m thick cement plaster in single coat with cement mortar 1:3,tobrick masonry including rounding off corners wherever reuired smooth rendering, Providing and removing scaffolding, including cost of materials, labour. Curing etc., complete and as per the directions of the Engineer-in-charge of the work	Sqm	196.10	
10	34.38	Extra for providing and mixing water proofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufactures, for cement mortar 1:3, 20mm thick cost of materials etc., complete and as per the directions of the Engineer-in-charge of the work	Sqm	13.78	
11	16.07	Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing etc., complete and as per the directions of the Engineer-in-charge of the work	Sqm	249.10	
12	0.16	0750 - Supply and Providing Aggregate 40 mm and below etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	800.00	
13	0.16	0749 - Supply and Providing Aggregate 20 mm and below etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	1000.00	
14	0	0731 - Supply and Providing Sand etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	1450.00	

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Sl. No.	Approved Quantity	Description	Unit	Rates	
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15	80	Providing PVC Rain Water Pipes and Fittings ISI Standards 4" Single socket Pipe 110 mm dia etc., complete and as per the directions of the Engineer-in-charge of the work	M	867.00	
16	13.00	Providing PVC Rain Water Pipes Specials Plain Bend etc., complete and as per the directions of the Engineer-in-charge of the work		161.00	
16A	8.00	Plain Tec		343.00	
17	30	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) **25mm** dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour, charges HOM of equipments etc., complete and as per the directions of the Engineer-in-charge of the work	m	280.90	
18	30.00	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) **20mm** dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour, charges HOM of equipments etc., complete and as per the directions of the Engineer-in-charge of the work	m	195.04	
19	5	Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads etc., complete and as per the directions of the Engineer-in-charge of the work	Each	625.40	
20	5	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads etc., complete and as per the directions of the Engineer-in-charge of the work	Each	255.46	
21	1000.00	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer block or blue and inner white layer of approved quality and make conforming to etc., complete and as per the directions of the Engineer-in-charge of the work	Ltr	6.36	
22	1	Relevant Plumbing accessories for inlet and outlet with out FFL including Filter etc., complete and as per the directions of the Engineer-in-charge of the work	No.	9000.00	
23	**1.00**	1HP Submersible centrifugal force pump of approved make with all necessary fittings including wiring switch board, starter etc., and Electronic Automatic Equipment (Programmable Logic Control) etc., complete and as per the directions of the Engineer-in-charge of the work	LRQ	18000.00	
24	**3.00**	Square Tank Cover "ISI" marked 24'x24x pf 100kg in weight etc., complete and as per the directions of the Engineer-in-charge of the work	L/S	5009.00	
25	**169.65**	Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	259.70	

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Sl. No.	Approved Quantity	Description	Unit	Rates	
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26	**60.00**	Laying reinforced cement concrete pipe NP4 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets complete as per specifications, **A.1000 mm dia,** etc., complete and as per the directions of the Engineer-in-charge of the work	M	11866.70	
27	9.43	Providing and filling in foundation with granite / trap broken metal 100mm, and down size, with approved sand including had packing, ramming, watering, including cost of all materials and labour with all lead and lift, etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	1926.02	
28	14.14	0734 - Supply and Providing Aggregate 53 mm nominal size etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	720.00	
29	**9.43**	0750 - Supply and Providing Aggregate 40 mm and below etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	800.00	
30	**9.43**	0749 - Supply and Providing Aggregate 20 mm and below etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	1000.00	
31	**9.43**	0731 - Supply and Providing Sand etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	1450.00	
32	**8.77**	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	5952.96	
33	**5.26**	**Providing mild steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery etc., complete and as per the directions of the Engineer-in-charge of the work	Qtl	7828.10	
34	330.00	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete7.5 cms thick etc., complete and as per the directions of the Engineer-in-charge of the work	Sqm	630.70	

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35	145.00	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr	317.00	
36	211.99	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr	73.57	

Signature of the Contractor

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Superintending Engineer,
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